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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/800,740	03/16/2004	Daqing Che	PT2090001	1165
23607	07 7590 08/08/2006		EXAMINER	
IVOR M. HUGHES, BARRISTER & SOLICITOR,			COVINGTON, RAYMOND K	
111111111111111111111111111111111111111	PATENT & TRADEMARK AGENTS 175 COMMERCE VALLEY DRIVE WEST SUITE 200			PAPER NUMBER
SUITE 200				
THORNHILL, ON L3T 7P6 CANADA			DATE MAILED: 08/08/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/800,740	CHE ET AL.			
		Examiner	Art Unit			
		Raymond Covington	1625			
Period fe	The MAILING DATE of this communication apport Reply	ears on the cover sheet with the c	orrespondence address			
WHIC - Exte after - If NC - Failt Any	CORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 (SIX (6) MONTHS from the mailing date of this communication.) operiod for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from 1, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status						
1)🛛	Responsive to communication(s) filed on <u>13 March 2006</u> .					
2a) <u></u>		action is non-final.				
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.			
Disposit	ion of Claims					
4)⊠	4) Claim(s) 1,3,4 and 6-13 is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)□)☐ Claim(s) is/are allowed.					
6)⊠	☑ Claim(s) <u>1,3,4 and 6-13</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)∐	Claim(s) are subject to restriction and/or	r election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Examine	r.				
10)[10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correcti					
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority ι	under 35 U.S.C. § 119					
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:					
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the prior	ity documents have been receive	ed in this National Stage			
	application from the International Bureau	` ''				
* 5	See the attached detailed Office action for a list of	of the certified copies not receive	d.			
•						
Attachmen		A) 🗖 (242-24) - A	(DTO 440)			
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da				
3) 🔲 Infon	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		atent Application (PTO-152)			

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1,3,4 and 6-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gutman et al WO 03/097603 in view of Wouters et al Eur. J. Med. Chem. vol. 35 pp 923-929.

Gutman et al teach reacting 4-m-tolyamino-3-pyridinesulfonamide, lithium carbonate or bicarbonate and isopropylcarbamate in aqueous solution. See page 13 steps f to h. As to claim 2 see page 12 step d.

Gutman et al does not teach using isopropylisocyanate. Wouters et al teach an analogous process in which uses isopropylisocyanate albeit in the presence of an organic solvent, e.g. acetone. See, for example page 928 lines 1-10 below Table III. It is also noted that isopropylisocyanate in aqueous solution inherently forms isopropylcarbamate.

Thus it would have been obvious to employ isopropylisocyanate as the source of isopropylcarbamate in Gutman et al as the results, formation of torsemide, would not have been unexpected.

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Raymond Covington whose telephone number is (571) 272-0681. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas McKenzie at telephone number (571) 272-0681.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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